**Lescut™**
Torpedo Countermeasure for Surface Ships

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**Benefits**
- Automated and lightweight
- Designed to respond simultaneously to multiple torpedoes of various types
- Deception of incoming torpedoes via tailored acoustic transmissions
- Short reaction time

**Intelligent, Reliable Countermeasure**
Modern acoustic torpedoes, with advanced features that greatly enhance their capabilities, are a major threat to surface combatants. Defeating these threats requires sophisticated, quick response, automated Countermeasures.

Lescut is an intelligent, third generation reactive Countermeasure, designed to identify the incoming threat and provide a customized response. Surface vessel - launched, Lescut is designed to respond simultaneously to multiple torpedoes of various types - active, passive, and pactive - and programmed to defeat all types of modern torpedo logic, including range gates, Doppler shift, pulse discrimination, AGC/DVG, and more. Lescut requires no pre-launch input or tests, shortening the response time and eliminating errors due to incorrect settings or operator mistakes.

Lescut is based on the Ultra Electronic Oceans Systems hardware and Rafael’s proven reactive acoustic module electronics and software.

**Operational Technique**
Countermeasure operation starts automatically after launch, with the Lescut suspended to its operating depth. Lescut analyzes the environment and the torpedo and then selects from its threat library the appropriate deception signal for emission. As a result, acoustic torpedoes home in on Lescut as the legitimate target, attacking it repeatedly, enabling the ship to evade a torpedo hit. Lescut operates for ten minutes, then self-destructs and sinks.
**Technical Specifications**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Diameter</td>
<td>12.375 cm</td>
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<tr>
<td>Length</td>
<td>91.4-122.7 cm</td>
</tr>
<tr>
<td>Weight</td>
<td>4.5-24.8 kg</td>
</tr>
<tr>
<td>Frequency range</td>
<td>17-85 kHz</td>
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<tr>
<td>Source level</td>
<td>&gt;180 dB re mPa @ 1 m</td>
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<tr>
<td>Receive sensitivity</td>
<td>130 dB re/mPa</td>
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<tr>
<td>Operating life</td>
<td>10 minutes</td>
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<tr>
<td>Operating parameters</td>
<td>Programmable reactive</td>
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<tr>
<td>Complies with MIL-STD environment parameters</td>
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